

*Cover is counterbalanced in every position*

# **METCOE**

# **FLOAT-A-MATIC**

**ROOF HATCHES / SMOKE HATCHES / ATTIC ACCESS**

*Designed and Manufactured Exclusively by Metcoe Metal Products Company*

# Advantages and Features of the **METCOE** **FLOAT-A-MATIC** Roof Hatch



**MATERIALS CHART**

MATERIALS	CURB	LID	LINER
Galvanized Iron	14 gauge	14 gauge	24 gauge
Aluminum	.064	.064	.032
Copper	48 oz.	48 oz.	16 oz.
Stainless Steel	16 gauge	16 gauge	24 gauge

The Curb and Lid can be made in combinations of any two metals by insulation to prevent electrolytic action. (See Page 4 for further information.)

Metcoe Float-A-Matic Roof Hatches are of a sturdy, full welded 14 gauge galvanized iron construction. A *metal liner* protects the hatch lid's layer of insulation; and *metal spacers*, used on each bolt, prevent crushing of the insulation material, or loosening of the security bolts.

## **COUNTERBALANCED**

Counterbalanced arms of 1/4" steel, tempered steel springs and fast pin hinges welded into position permit a life-time of operation that is both *effortless* and *safe*. The lid, for example, will balance in the open position within a 30 to 60 degree angle allowing entry, in or out, without holding the hatch lid, thus *freeing both hands* for personal safety. Metcoe's counterbalanced arms will automatically complete the opening process and hold the lid securely in the full open position when the lid passes the 60 degree point of the opening cycle.

## **LOCKOUT PREVENTION AND SECURITY**

The Float-A-Matic lid is locked to the hatch curb with a spring tension, pull-type bolt latch which is equipped to receive a padlock. The 1/2" square steel bolt affords maximum security by a long penetration into the hatch curb to prevent the lid from being pried open from the roof side. The outward push of the spring against the bolt prevents the locking of the lid from the outside—*thus, accidental lockout is impossible!* Security bolts are used throughout hatch construction.

## **SPECIAL COUNTERFLASHING**

The hatch is made weathertight by a neoprene seal that surrounds the lid and compresses against the curb when closed, and by a special counterflashing. The counterflashing is removable allowing a tighter bond between roofing and roof hatch as well as more accessibility for roof inspection and re-roofing. A prime coat of paint is applied to protect the Metcoe Float-A-Matic Roof Hatch and to prepare it for final painting. Metcoe Float-A-Matic Roof Hatches are available with aluminum lids, and in all aluminum, copper or stainless steel in sizes to meet specific needs.

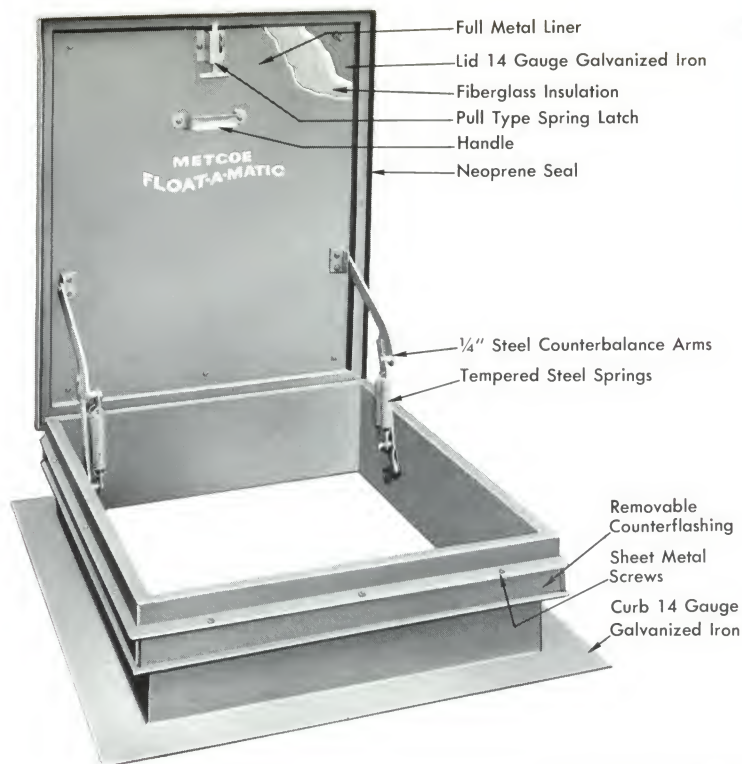
## **SPECIFICATIONS**

Furnish and install, where shown on plans, Metcoe Float-A-Matic Roof Hatch Model \_\_\_\_\_, Size \_\_\_\_\_ as manufactured by Metcoe Metal Products Company, P. O. Box 34851, Palms Station, Los Angeles 34, California, WEBster 6-1154.

Hatch to be made of full welded 14 gauge galvanized iron (or special metals as specified). Counterbalanced, insulated, and metal lined lid to balance open between 30° and 60°; and to automatically open and hold in full open position after 60°. Spring tension, pull-type latch to prevent accidental lockout.

Removable counterflashing, to allow ease of roofing installation, inspection, and repair, attached to outer curb with metal screws.

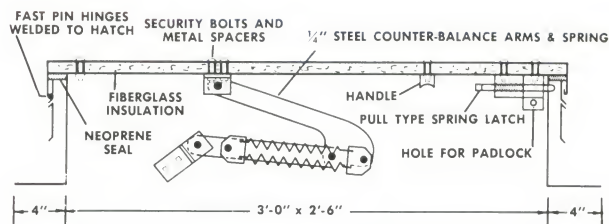




- Full Metal Liner
- Lid 14 Gauge Galvanized Iron
- Fiberglass Insulation
- Pull Type Spring Latch
- Handle
- Neoprene Seal

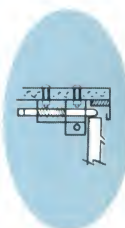
- 1/4" Steel Counterbalance Arms
- Tempered Steel Springs
- Removable Counterflashing
- Sheet Metal Screws
- Curb 14 Gauge Galvanized Iron

## METCOE FLOAT-A-MATIC ROOF HATCHES



(for other sizes see page 4.)

Detail shows contact of bolt against curb preventing lockout when closed from outside. Padlock not included.

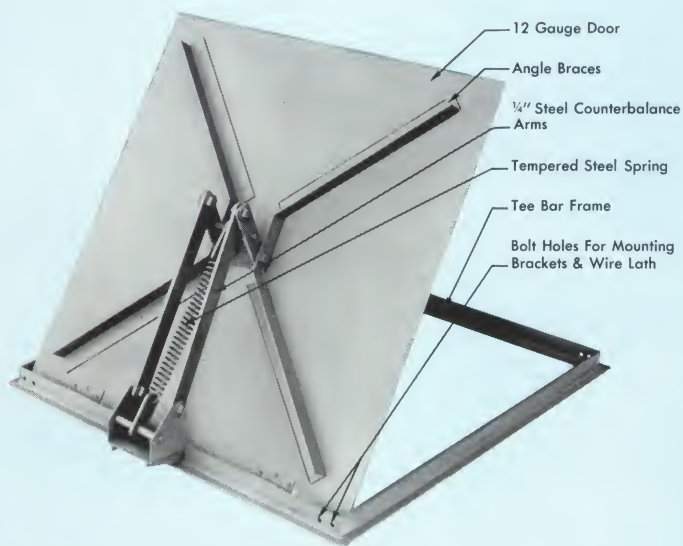


Upon request insulated curb will be furnished.

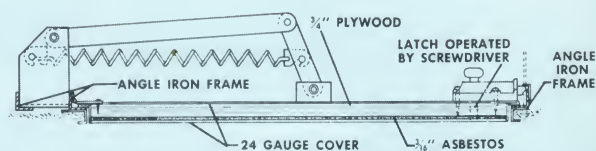
## FLOAT-A-MATIC SMOKE HATCH

All models of METCOE FLOAT A MATIC Roof Hatches can be ordered as automatic opening smoke vents. A fusible link, standard with all METCOE smoke vents, breaks at 160°F which automatically opens the hatch lid beyond 90° to allow maximum venting.

All Model H and most Model H.S. roof hatches when equipped as a smoke vent can also be used, and operate as a standard roof hatch. Opening of the hatch lid does not disturb the fusible link, therefore they serve a dual role of smoke vent and roof hatch at no additional cost to you!



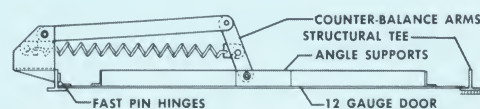
- 12 Gauge Door
- Angle Braces
- 1/4" Steel Counterbalance Arms
- Tempered Steel Spring
- Tee Bar Frame
- Bolt Holes For Mounting Brackets & Wire Lath



### MODEL AAW METAL COVERED DOOR

DOOR IS A NON-LABEL KALAMEIN TYPE. LATCH CAN BE EQUIPPED WITH CYLINDER LOCK FOR KEY LOCKING. GROUND CAN BE ATTACHED FOR FLUSH MOUNTING OF ACOUSTICAL TILE.

SIZES: 2'-0" x 2'-0" 2'-6" x 3'-0"  
2'-0" x 2'-6" 3'-0" x 3'-0"  
2'-6" x 2'-6"



### MODEL AAS STEEL DOOR

DOOR MADE OF 12 GAUGE STEEL WITH ALL WELDED TEE BAR FRAME. FRAME CAN BE FITTED TO MOUNT ON 1/2" RODS OR FASTENED TO CEILING JOISTS. WHEN SPECIFIED, DOOR CAN BE MADE TO RECEIVE ACOUSTICAL TILE AND STILL FINISH FLUSH WITH CEILING.

SIZES: 2'-6" x 2'-6" 2'-6" x 3'-0"

## FLOAT-A-MATIC ATTIC ACCESS



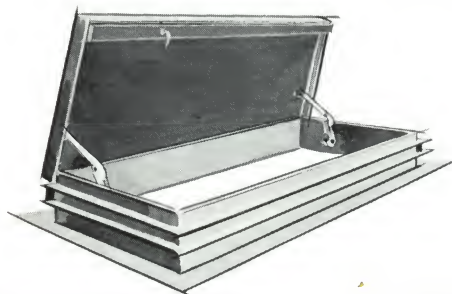
### Model H

Single door hatch  
Stocked 2'-6" x 3'-0"/14 gauge galvanized.

### Model HPS

Single Door Hatch  
Made of 14 gauge galvanized iron with plastic dome skylight built into lid.

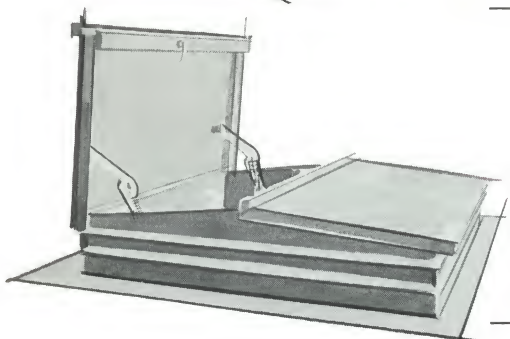
When ordering hatches please specify if they are to be used as smoke hatches



### Model HS

Single door hatch  
Available in sizes from 2'-6" x 4' to 4'-0" x 11'-0"  
Hatches larger than 3'-0" x 4'-0" are standard with aluminum lid and liner.

When ordering hatches please specify if they are to be used as smoke hatches



### Model HDD

Double door hatch  
Available to 8'-0" x 8'-0"  
All double door hatches have aluminum lids and liners.  
Meeting stiles of double doors re-inforced by an enclosed structural member.

When ordering hatches please specify if they are to be used as smoke hatches

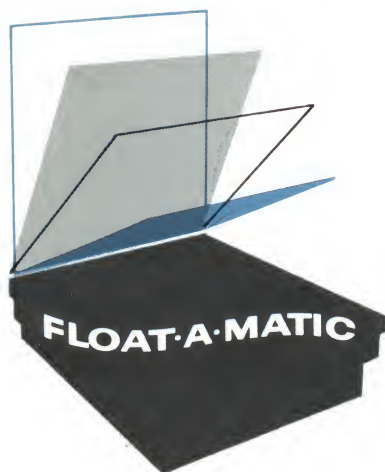
## ATTIC ACCESS

### Model AAW Attic Access

### Model AAS Attic Access

These models available in graduations of 6" starting at 2'-0" x 2'-0" to 3'-0" x 3'-0" (see chart inside)

## SPECIFY A METCOE FLOAT-A-MATIC



Upon request our engineering department will design **METCOE Float-A-Matic** Roof Hatches to meet your specific requirements.

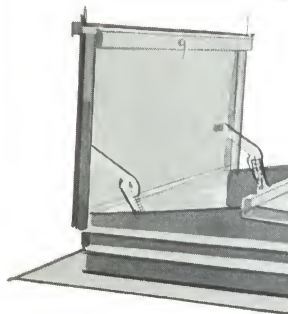
### FLOAT-A-MATIC INSTALLATIONS

U. C. L. A.  
L. A. Dept. of Water and Power  
L. A. Harbor Dept.  
Pacific Tel & Tel  
Security-First National Banks  
Pacific State Bank  
American Savings and Loan,  
Temple City  
Thrifty Drug Stores  
Ralph's Markets  
Safeway Markets  
Alpha Beta Markets

Boys Markets  
Shopping Bag Markets  
Thrifty Mart Markets  
Fox Markets  
Max Factors, Hawthorne  
Eastland Shopping Center  
Sunset International Building,  
Beverly Hills  
Buckeye Buildings  
and many commercial and  
industrial buildings.

**METCOE**  
*Metal Products Co.*





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**SPECIFY A METCOE**



### Model H

Single door hatch

Stocked 2'-6" x 3'-0"/14 gauge galvanized.

### Model HPS

Single Door Hatch

Made of 14 gauge galvanized iron with plastic dome skylight built into lid.

When ordering hatches please specify if they are to be used as smoke hatches.

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